FORM 123 USE PREVIOUS EDITIONS 5-63 MFG. 9-66

DATE

CLASSIFIED MESSAGE

SECRET

ROUTING

1	RTD	9	
2		10	
3		11	
4		12	
5		13	
6		14	
7	OXC	15	
8		16	

TO :

FROM :

ACTION:

INFO :

ROUTING

	INIT	ACT	INFO
CHIEF			
D/CHIEF			
OXS			
PLANS			

IN 92929

20-22(E)

OSA 1-20-75

TO INFO CITE

SECRET 081702Z CITE [redacted] 1472. 25X1A

25X1A PRIORITY [redacted]

OXCART

SUBJECT: EVALUATION OF BLACK SHIELD MISSION BX6708

1. CAMERA SERIAL F, TYPE I, WAS USED ON MISSION BX6708. THE EXPOSURE WAS GOOD. PROCESSING WAS ACCOMPLISHED AT [redacted] ALTHOUGH 25X1A 1946 FEET OF FILM WAS USED ON THIS MISSION, HEAVY CLOUD COVER NEGATED ALL BUT 324 FRAMES. THE ONLY FRAMES REPRODUCED WERE FRAMES 117-272 AND 337-404. THESE FRAMES PROVIDED GOOD RELATIVELY CLOUD FREE COVERAGE IN THE MAIN AREAS OF INTEREST.

2. BOTH CAMERAS OPERATED SATISFACTORILY THROUGHOUT THE MISSION. DURING THE STRAIGHT AND LEVEL PORTIONS OF THE FLIGHT GROUND

25X1A RESOLUTIONS OF [redacted] WERE OBTAINED
25X1A IN THE VERTICAL PORTIONS OF THE PHOTOGRAPHY. OBJECTS AS SMALL AS [redacted] ARE DETECTABLE. THE RESOLUTION AT OBLIQUITY ANGLES IS

25X1A COMMENSURATE [redacted]; AT 45 DEGREES THE

25X1A RESOLUTION RANGES [redacted]

3. A GOOD CORRELATION WAS OBTAINED BETWEEN THE INS DATA, THE

SECRET

GROUP 1 EXCLUDED FROM AUTOMATIC DOWNGRADING AND DECLASSIFICATION

Approved For Release 2002/06/10 : CIA-RDP69B00404R000100050003-7

PHOTOGRAPHIC IMAGERY AND THE DATA CHAMBER RECORDINGS.

4. FRAMES 1-335 WERE EXPOSED AT 1/210 OF A SECOND; FRAMES 336-404 WERE EXPOSED AT 1/190 OF A SECOND. THE ENTIRE MISSION RECEIVED MAXIMUM DEVELOPMENT AND THE DIFFERENCE IN EXPOSURE CANNOT BE DETECTED. THE EXPOSURES ARE ACCEPTABLE AND THE ONLY LOSS OF INFORMATION IS IN SHADOW AREAS. IT IS RECOMMENDED THAT THE PRESENT EXPOSURES BE USED UNTIL SOLAR ELEVATIONS OR OTHER CONDITIONS AFFECTING THE EXPOSURE NECESSITATE A CHANGE.

5. PHOTOGRAPHY WAS NOT ACQUIRED DURING THE ASCENDING AND DESCENDING PORTIONS OF THE MISSION. THE ALTITUDE RANGED BETWEEN 79,600 AND 81,500 FEET. NO DATA REDUCTION PROBLEMS WERE ENCOUNTERED DURING VEHICLE MANEUVERING.

6. A TIME HISTORY OF EVENTS AFFECTING THE EXPLOITATION OF THE 25X1A MATERIAL AT [redacted] BASED ON ELAPSED TIME FROM A/C TOUCHDOWN ARE:

TIME HR-MIN	EVENT
03-31	RECEIPT OF INS TRANSMISSION
06-26	RECEIPT OF D-VALUES
34-31	MATERIAL ARRIVED AT [redacted] 25X1A
44-16	(1) RECEIPT OF UNTITLED REPRODUCTIONS AT [redacted] 25X1A
46-16	(1) FINAL FRAME EPHEMERIS COMPLETED
60-16	(1) INITIAL READ-OUT COMPLETED
61-16	(1) IPIR SENT FROM [redacted] 25X1A

(1) THESE TIMES REFLECT THE DELAY IN THE RECEIPT OF THE 25X1A MATERIAL AT [redacted]

7. THE ENTIRE MISSION WAS ACQUIRED WITH PROGRAMMED (CLOUD)

V/H. THE CAMERA SYSTEM CAGED 6 TIMES INCLUDING THE CAGING THAT IS NORMALLY EXPECTED IN VEHICLE TURNS. THE CAGING INDICATOR IN THE DATA CHAMBER DOES NOT CORRELATE EXACTLY WITH THE CAGING INDICATIONS ON THE INS TAPE. PERSONNEL FROM [redacted] ARE INVESTIGATING THE REASON FOR THIS DISCREPANCY. 25X1A

8. THERE IS NO INS DATA AVAILABLE FOR FRAMES 331 THROUGH 335. THESE FRAMES WERE ACQUIRED DURING CAMERA RUN-DOWN AFTER A CAMERA OFF AND ARE CONSIDERED BONUS FRAMES.

9. THE FILM METERED PROPERLY THROUGHOUT THE MISSION WITH OVERLAP OCCURRING ONLY AT THE CAMERA OFF/ONS. MINUS DENSITY STREAKS, CAUSED BY FOREIGN MATTER IN THE SLIT APERTURE, ARE MINIMAL. THERE ARE A SERIES OF HIGH DENSITY AREAS, VARYING IN SIZE AND SHAPE, BUT NEVER LARGER THAN 0.5 SQUARE CENTIMETERS. THESE AREAS APPEAR TO BE A REFLECTION AND ASSOCIATED WITH THE A/C HEADING RELATIVE TO THE SOLAR AZIMUTH. THEY APPEAR ON THE FORWARD FRAMES ONLY AND ARE RANDOMLY LOCATED BETWEEN 5.7 AND 8.1 INCHES FROM THE CENTER OF THE CLOCK AND BETWEEN 0.2 AND 2.6 INCHES FROM THE TIME TRACK NEAREST TO THE CLOCK. THEY CAN ONLY BE DETECTED IN FORTY-ONE FRAMES WHILE THE VEHICLE MAINTAINS A GROUND TRACK AZIMUTH OF 319 DEGREES 33 FEET PLUS AND MINUS 15 MINUTES. THEY DO NOT APPEAR IN ALL FRAMES WHEN THE VEHICLE MAINTAINS THIS GROUND TRACK AZIMUTH. THE PATTERN OF THE FLARE VARIES FROM LINEAR (ALONG TRACK) TO ELLIPTICAL (CROSS TRACK) AND IN SOME INSTANCES THEY ARE A SMALL GROUP OF DOTS. THEY ARE OF SUFFICIENT DENSITY TO OBSCURE IMAGERY.

10. CLOUDS OBSCURE 50 PERCENT OF THE IMAGERY. HOWEVER, THE MAIN AREAS OF INTEREST ARE LESS THAN 10 PERCENT CLOUD COVERED.

S E C R E T

Approved For Release 2002/06/10 : CIA-RDP69B00404R000100050003-7